MODIS TECHNICAL TEAM MEETING

February 11, 1999

Vince Salomonson chaired the MODIS Technical Team Meeting. Present were Barbara Conboy, Dorothy Hall, Steve Kempler, Michael King, Ed Masuoka, Mike Roberto, and Deborah Howard.

1.0 SCHEDULE OF EVENTS

Oceans Meeting	Early March	
PI Processing Meeting (GSFC)	March 17, 1999, 9:30 a.m.	Building 28, Room E210
MODLAND/SDST Meeting (GSFC)	March 30-31, 1999	Building 28, Room E210
PI Processing Meeting (GSFC)	April 14, 1999, 9:30 a.m.	Building 28, Room E210
Next MODIS Science Team Meeting	April 21-22, 1999 (Tentative)	
PI Processing Meeting (GSFC)	May 12, 1999, 9:30 a.m.	Building 28, Room E210
Mini-SWAMP Meeting at EOS-IWG (Vail)	June 15-17, 1999	

2.0 MINUTES OF THE MEETING

2.1 Overview

Vince Salomonson began the meeting with a brief discussion on developing a timeline for the validation of MODIS data after launch. CERES data will take about 2 years. MODIS Level 1 data will be available approximately at Day 90 (maneuvers take place until Day 70). Salomonson advised that the IDS groups should be profitably included in MODIS efforts. He also suggested scheduling an early results symposium for MODIS by itself or as part of an early results symposium for EOS AM-1.

2.2 MAST

Salomonson asked about outreach for MODIS. He recommended including a Data Products Summary linked to the MODIS Web page that would be written at a college level for a general audience. Ed Masuoka commented that the EOS Data Products Handbook is written at the appropriate level; it describes each product in about three pages per product. Salomonson recommended that all products be listed in about five pages. Just how this can be done remains TBD.

A brief discussion of the potential dates for the next Science Team Meeting resulted in tentative dates of April 21-22. Barbara Conboy will notify the MODIS teams of these tentative dates.

Conboy asked about coordinating with PAO regarding MODIS outreach. Salomonson replied that this was appropriate. Masuoka commented that Jim Collatz, who works with Yoram Kaufman, has been talking about using data products to create quick images and about working with PAO to get these on the

news. Salomonson stated that such outreach should go through someone at MODIS and recommended working with Kaufman on this issue.

Steve Kempler commented that although early distribution of data was on the agenda for the PI Processing Meeting yesterday (February 10), it was not discussed. He asked Salomonson for his advice regarding early distribution of MODIS data. Salomonson replied that Kaufman, as AM-1 Project Scientist, should be consulted on such decisions.

2.2 Instrument Report

Salomonson asked about the Valley Forge RVS characterization. Mike Roberto reported that some of the FM1 data along with witness sample data would be used. Michael King suggested heating the mirror for a higher signal to noise ratio. Roberto commented that it is unclear how warm the mirror would be before the door is opened and suggested looking into RVS after opening the door. Salomonson confirmed that deep space calibration is planned for Day 71.

Roberto reported on two FM1 challenges: 1) a PC drift problem and 2) power supply shutdowns. He mentioned plans to make modifications to the power supplies and to shield cables to reduce crosstalk for PC detector drift.

2.2 GDAAC Report

Kempler reported that the DAAC would be included in an E-T-E test. He suggested trying 24 hours FPG for direct broadcast. Kempler said the DAAC was able to get 4 to 6 hours through on automatic; beyond 6 hours still takes a lot of manual work. He commented that Kaufman would like an E-T-E for the ground system. King asked whether the E-T-E would go out to the science team. Kempler noted that it would be practical to wait until May to run the E-T-E test. He added that a Y2K Drop is coming in and the DAAC is in good shape for it.

Kempler reported that the PI Processing Meeting on February 10 went very well. It included representatives of the Oceans, Land, and Atmospheres discipline groups and MCST and SDST. Bob Evans joined the meeting via teleconference. Kempler noted that Evans helped to figure out why there was data corruption in the toolkit. Kempler also mentioned that they discussed resources and TLCF. Masuoka added that much of the tuning is going well.

2.3 SDST Report

Masuoka reported that processing time will take a bit longer when going over the two poles. He said that he presented information about current tuning at the PI Processing Meeting yesterday (February 10).

Salomonson asked what going into a SeaWiFS mode would produce. Masuoka replied that at about 1 month after getting data, at approximately early October, early science products would be available. Masuoka mentioned plans to build month after month until higher level products that have no heritage are developed.

Masuoka also mentioned direct broadcast and NOAA data. Kempler noted that data release issues have not yet been resolved and suggested making sure that the scientists see the data first. Salomonson again suggested getting some quick images out for general indications of instrument performance.
He also acknowledged the importance of validating the data as soon as possible. Kempler asked approximately how much time it should take to get the next version (5A) of ECS.

Kempler mentioned that Masuoka has agreed to speak to the next DAAC managers meeting. Salomonson asked about readiness. Masuoka commented that the interfaces used to order products at the DAAC should be made more user friendly. Michael King added that he also has challenges using the interfaces.

3.0 ACTION ITEMS

3.1 Action Items Carried Forward

1. Murphy: Create a mechanism for coordinating MODIS operations and other schedules that includes an interactive listing. It should be more than a passive posting of schedules on the World Wide Web. Such an interactive schedule could be used by MODIS science discipline teams to coordinate field campaigns or by the operations group to coordinate MODIS activities with the other Terra instruments' activities.

Status: This item remains open.

2. Murphy: Clarify the data release agreements between NASA and NOAA on MODIS data, including MODIS requirements and which of these requirements NOAA will accommodate. Discuss these items with Legg and Tarpley of NOAA.

Status: This item remains open.

3. Conboy and Howard: Plan for the next MODIS Science Team meeting in April.

Status: This item remains open.

4. Heney, and Howard: Develop a weekly MODIS news page linked to the MODIS home Web site. It should include hot items and reflect weekly progress.

Status: This item remains open.

5. Evans and Eicorn: Look into what can be done at Valley Forge without taking the instrument off the spacecraft.

Status: This item remains open.

6. Townshend: Prepare for getting the official word on the launch date.

Status: This item remains open.

7. Fleig: Follow up on the status of the PI Processing working agreement with ESDIS.

Status: This item remains open.

8. Murphy: Investigate the status of direct broadcast and present an update to the Technical Team.

Status: This item remains open.

9. Murphy: Coordinate a MODIS approach for radiance-to-brightness temperature conversions.

Status: This action remains open.

10. Masuoka: Submit an EOS-PM Data Product Update to ESDIS.

Status: This action item remains open.

11. Masuoka: Distribute an e-mail message summarizing the status of production rules at ECS.

Status: This material was presented at the last Science Team meeting (June 24-26). Masuoka will update this information and pass it along to the discipline group leaders.

12. Murphy: Speak to MCST and the discipline group leaders about what to include in a Version 2.1.1 Level 1B delivery.

Status: This item remains open.

13. Masuoka: Examine status of DAO ancillary products for MODIS.

Status: This item remains open.

3.2 Closed Action Items

1. Conboy: Work with Murphy on a launch invitation list; invite PAO to participate.

Status: This item is closed. Conboy submitted the MODIS Terra Launch Invitation.

2. Guenther: Deliver a schedule for an earlier date on Level 1 code. In addition work on, if possible, a more modularized version of the Level 1B code to minimize any problems from forthcoming software changes.

Status: This item is closed. Guenther provided this schedule to an early January premeeting to the SDDT meeting held on January 13.